

ERIC KEARNEY

Software Engineer

CONTACT

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aeryck.com

EXPERIENCE

RAYTHEON TECHNOLOGIES – AURORA, CO

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| Nov. 2021 – Present | Joint Polar Satellite System | Software Engineer |
| | Supported after release, responsibilities included bug-fixing, code cleanup, and re-configuring various subsystems to dynamically meet customer needs. | |
| Mar. 2021 – Nov. 2021 | HP Replacement of IBM Products | Scrum Master |
| | Served as a Scrum master to the completion of a server infrastructure migration project. Responsibilities included running daily standups, flowing progress up the proper lines of communication, and quickly eliminating blockers for developers. | |
| Aug. 2019 – Mar. 2021 | GPS-OCX | Software Engineer / Discrepancy Report Lead |
| | Served as a test engineer and debugger. Processed reported issues and discrepancies into work orders. Identified high priority issues and helped determine which engineer(s) would be best suited to each task. | |

HIGHLIGHTED PROJECTS

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|----------------------|--|------------------------------------|
| Jan. 2022 - May 2022 | Graduate-Level Big Data Term Project | Data Science |
| | Worked with a small team to create a model that predicts IMDB ratings, Rotten Tomatoes user and critic score, and Box Office performance of movies. | |
| | <ul style="list-style-type: none">• Written in Python using PyTorch and deployed on Apache Spark• Wrote web scrapers to harvest raw data from sources that did not provide an API | |
| Jan. 2019 - May 2019 | Undergraduate-level Digital Image Processing | Computer Vision |
| | <ul style="list-style-type: none">• Implemented face detection, edge detection/sharpening, noise/lighting correction, facial recognition, and visual saliency calculation across images.• Wrote a simple model to analyze driving footage and automatically detect crashes in said footage. | |
| Jan. 2018 - May 2018 | Undergraduate-level Email Analysis | Natural Language Processing |
| | <ul style="list-style-type: none">• Used scikit learn, Natural Language Toolkit, and a dataset of around half a million emails sent by senior management at Enron to write a program that takes an email as an input and predicts which manager wrote that email, with an accuracy of about 80% | |

EDUCATION

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|-------------------------------------|--|--|
| Jan. 2022 – Dec. 2023
(expected) | Master's in Computer Science | Colorado State University |
| | Currently enrolled in a Master's program in Computer Science with a focus in big data and machine learning. | |
| Jan. 2017 – May 2019 | Bachelor's in Computer Science | Metropolitan State University of Denver |
| | <ul style="list-style-type: none">• Graduated Summa Cum Laude and with Highest Honors• GPA: 4.0/4.0• Awarded by the department of Mathematics and Computer Science for "Exceptional accomplishments in Computer Science" | |

LANGUAGES

Python (PyTorch, NumPy, Pandas, Flask, OpenCV)
Java (Gradle, JSF, JUnit)
SQL (PostgreSQL, MySQL, SQLite)

DEVELOPMENT TOOLS

CI Tools (Git, Jenkins)
Linux Administration (Fedora/Red Hat)
Jira, Confluence, Docker